

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 97 (GEORGIA AVE) AT REDDIE DRIVE IN MONTGOMERY COUNTY. MD 97 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE A NEMA EIGHT-PHASE FULLY-TRAFFIC ACTUATED MODE WITH AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR ALL APPROACHES. THE CONCURRENT MAINLINE PEDESTRIAN PHASE AND ALTERNATIVE SIDE STREET PHASING WILL REMAIN THE SAME.

INTERSECTION OPERATION

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL REMAIN.

PROJECT CONTACTS:

MR. CEDRIC WARD, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358
MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 615-7304
MR. VICTOR GRAFTON, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS
PHONE: (410) 787-7652

EQUIPMENT LIST

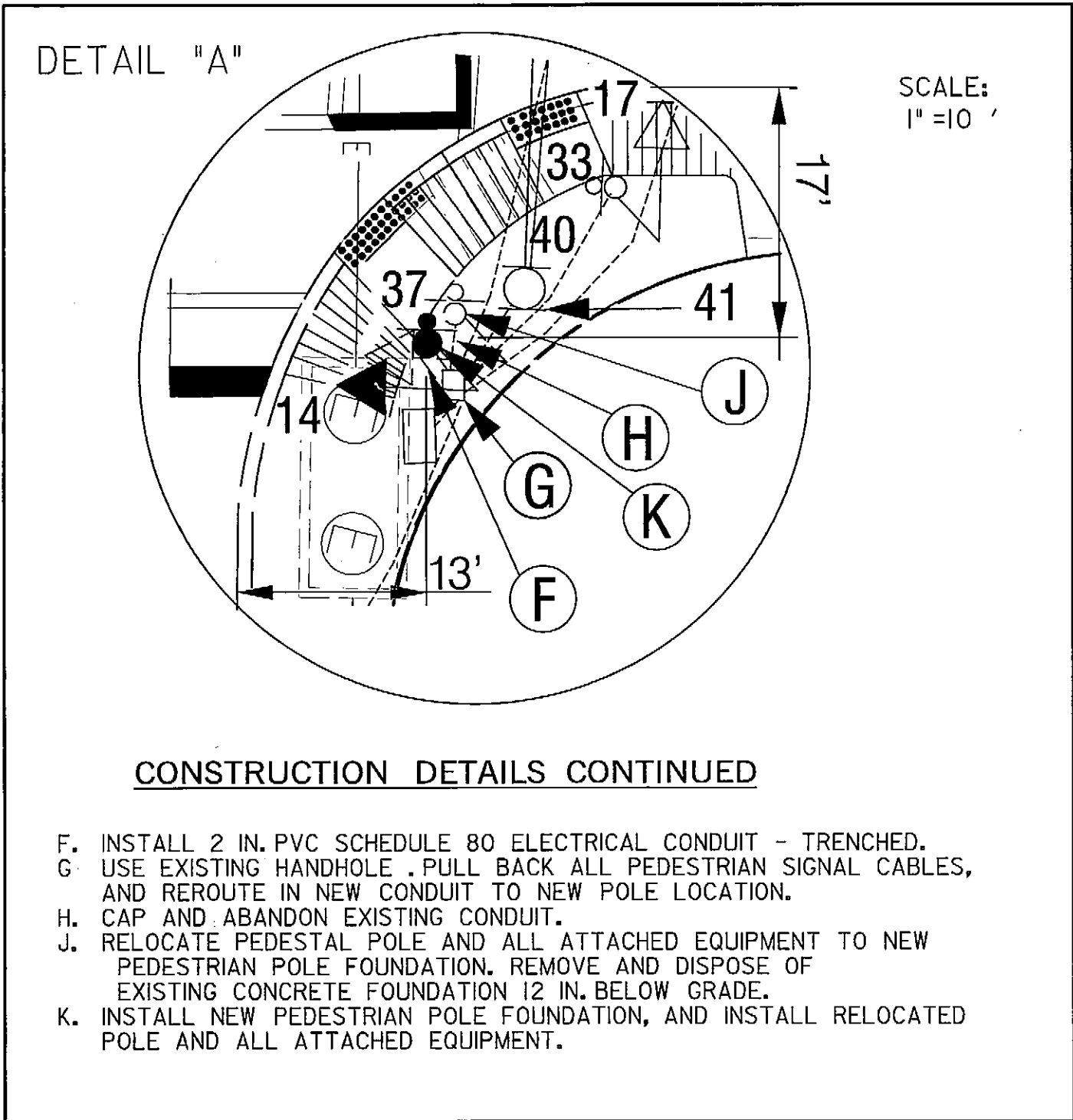
- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
NONE.
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
1	EA	VIDEO DETECTOR CAMERA ADJUSTMENT
180	LF	12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING - CROSSWALK
50	LF	24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING - STOP LINE
270	LF	REMOVE EXISTING PAVEMENT MARKINGS BY GRINDING.
1.0	CY	CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT
5	LF	2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
1	EA	REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATION 12 INCHES BELOW GRADE
LUMP SUM	LS	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

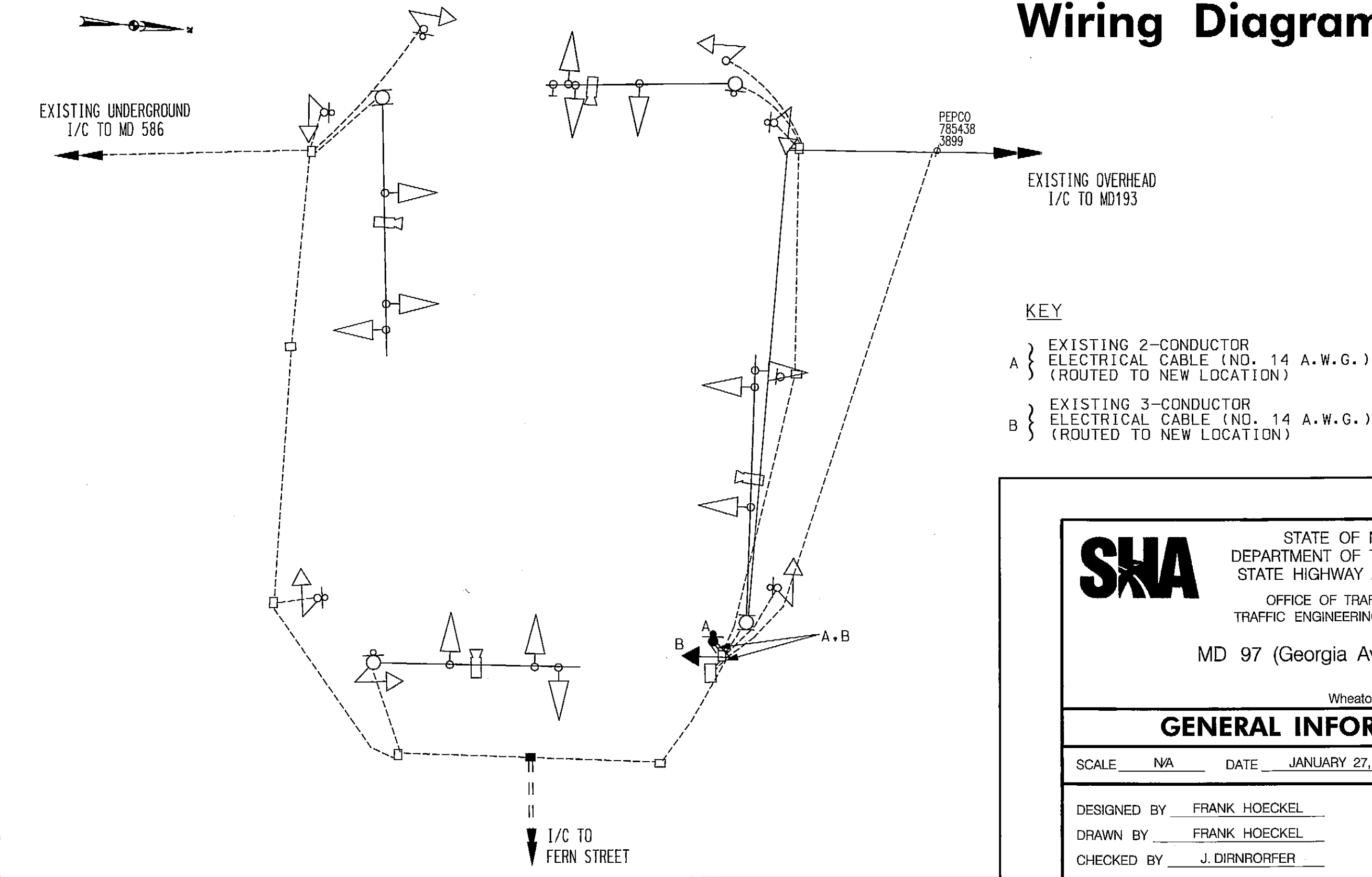
Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13,14	15,16	17,18	19,20
PHASE 1 AND 5	←GR	←GR	R	←GR	←GR	R	R	R	R	R	R	R	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																
PHASE 1 AND 6	←GG	←GG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	←YG	←YG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	←GG	←GG	G	R	R	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	←YG	←YG	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R		R	R	R	DW	DW	DW	DW
PHASE 3 AND 7	R	R	R	R	R	R	←GR	←GR	R	←GR	←GR	R	DW	DW	DW	DW
3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8																
PHASE 3 AND 8	R	R	R	R	R	R	←GG	←GG	G	R	R	R	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	←YG	←YG	G	R	R	R	DW	DW	DW	DW
PHASE 4 AND 7	R	R	R	R	R	R	R	R	R	←GG	←GG	G	DW	DW	DW	DW
7 CHANGE	R	R	R	R	R	R	R	R	R	←YG	←YG	G	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	R	R	R	G	R	R	G	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
PHASE ALT 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	FLDW	FLDW
ALT 4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

BY: F.Hoeckel



Wiring Diagram



SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (Georgia Ave) at Reddie Drive

Wheaton, MD

GENERAL INFORMATION PLAN

SCALE NA DATE JANUARY 27, 2011 CONTRACT NO. BW996M82

DESIGNED BY FRANK HOECKEL COUNTY Montgomery
DRAWN BY FRANK HOECKEL LOGMILE 15009703.73
CHECKED BY J. DIRNROFFER TMS NO. K673
F.A.P. NO. TOD NO.

TS NO. 212-GI DRAWING GI-01 OF 01 SHEET NO. 2 OF 2

PLOTTED: Thursday, January 27, 2011 AT 6:11 AM
FILE: F:\2009\2009-07\2\Des\TEDD\GI-01_Reddie Dr.dgn